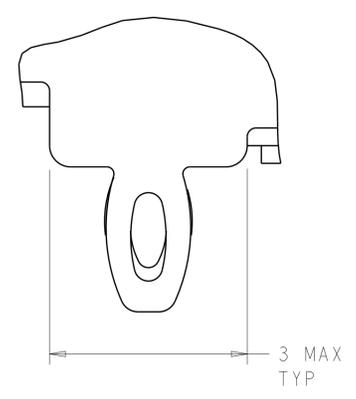


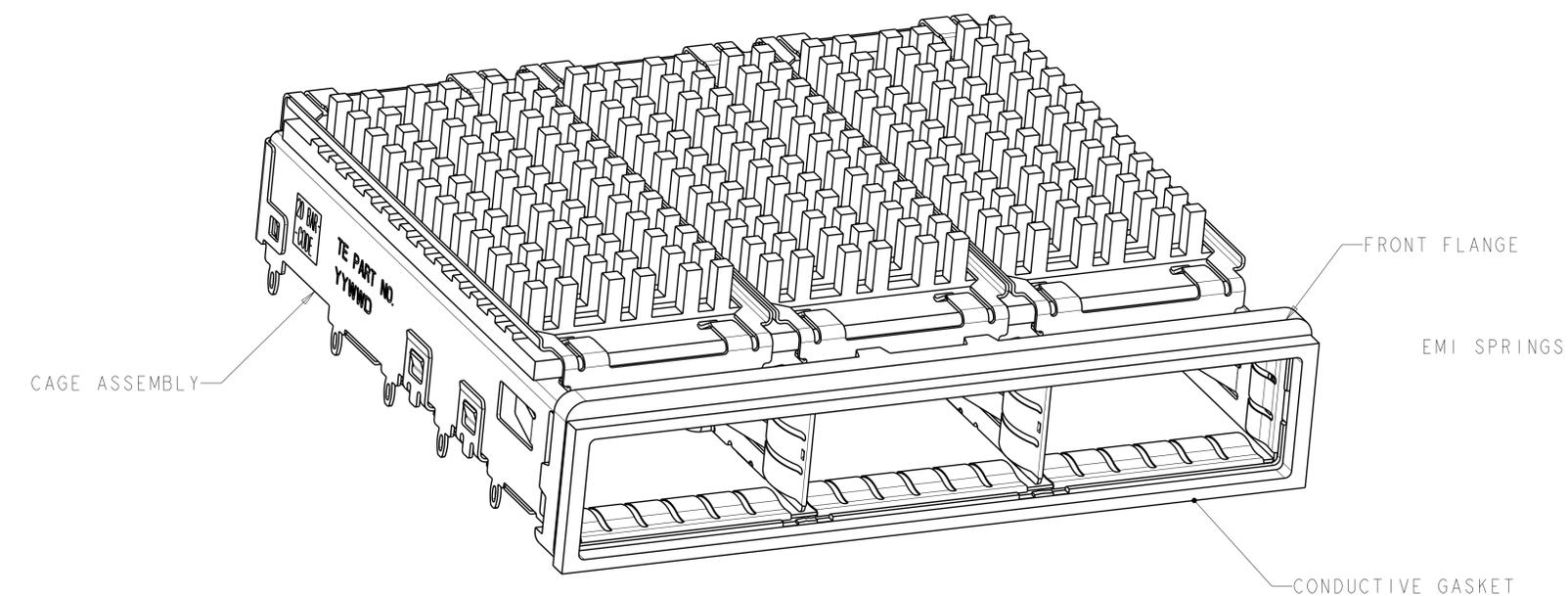
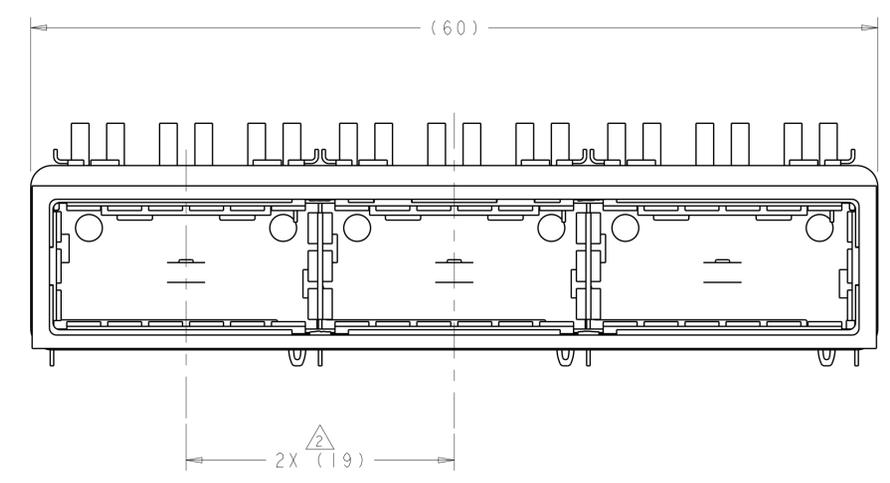
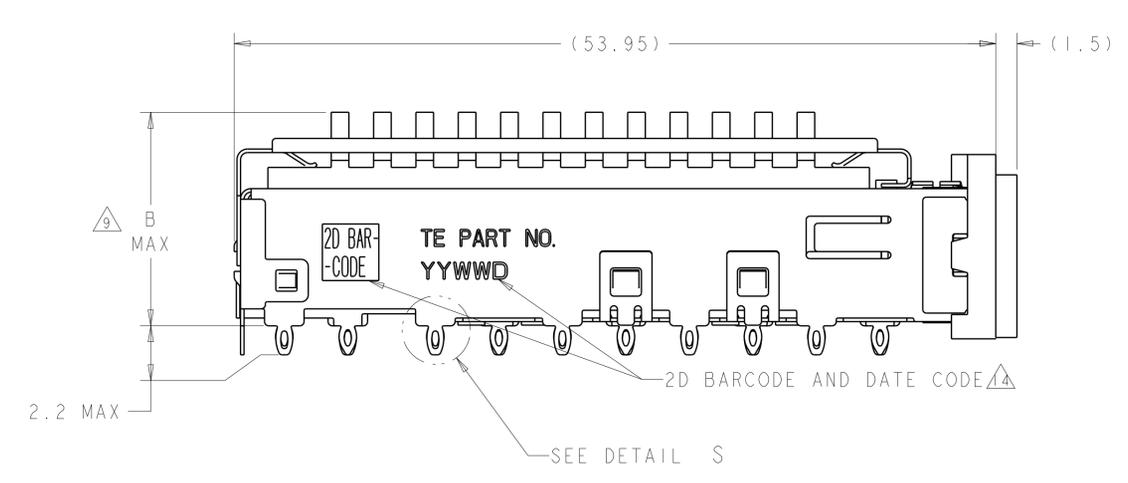
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		P	LTN	DESCRIPTION	DATE	DMN	APVD
GP	00	I		PRELIMINARY	23FEB2012	KS	AC
		A		REVISED PER ECR-12-006970	17APR2012	KS	AC
		B		REVISED PER ECO-15-005721	4AUG2015	RG	SH



DETAIL S  $\Delta 12$   
 SCALE 20:1

- $\Delta 1$  MATERIALS:  
 CAGE ASSEMBLY: NICKEL SILVER, 0.25 THICK  
 EMI SPRINGS: COPPER ALLOY  
 EMI GASKET: BURRER FOAM  
 FRONT FLANGE: ZINC ALLOY  
 HEAT SINK: ALUMINUM  
 HEAT SINK CLIP: STAINLESS STEEL
- $\Delta 2$  PITCH BETWEEN PORTS OF ONE 1X3 CAGE ASSEMBLY.
- $\Delta 3$  SPACING BETWEEN CAGES ON THE SAME PC BOARD, TO BE SPECIFIED BY CUSTOMER, MUST COMPLY WITH MINIMUM DIMENSIONS SHOWN.
- $\Delta 4$  REFERENCE APPLICATION SPEC 114-13218 FOR RECOMMENDED DRILL HOLE DIAMETER AND PLATING THICKNESS.
- $\Delta 5$  DATUMS AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER.
- $\Delta 6$  DIMENSION C IS THE NOMINAL THICKNESS OF CUSTOMER SUPPLIED PC BOARD.  
 MINIMUM SINGLE SIDED PC BOARD THICKNESS: 1.45mm  
 MINIMUM DOUBLE SIDED PC BOARD THICKNESS: 2.2mm PER QSFP
- $\Delta 7$  HEAT SINKS AND CLIPS SHIPPED ASSEMBLED TO CAGE ASSEMBLY. CAGE ASSEMBLY MAY BE PRESSED INTO THE PCB AS SHIPPED.
- $\Delta 8$  DATUM -A- IS TOP SURFACE OF PC BOARD.
- $\Delta 9$  DIMENSION APPLIES WITH MODULE INSERTED IN CAGE.
- $\Delta 10$  UNPLATED THRU HOLE.
- 11. MATES WITH QSFP MSA COMPATIBLE TRANSCEIVER.
- $\Delta 12$  SURFACE TRACES PERMITTED WITHIN THIS AREA EXCEPT WHERE CAGE STANDOFFS, SHOWN IN DETAIL S, CONTACT PC BOARD.

- $\Delta 3$  BASELINE FOR THESE DIMENSIONS IS THE CENTER OF COMPLIANT PIN HOLE.
- $\Delta 4$  2D BARCODE AND DATE CODE (YYWW) MARKED ON SIDE OF CAGE.
- $\Delta 5$  REFERENCE APP SPEC 114-13218 FOR GASKET THICKNESS CALCULATION.
- $\Delta 6$  FINISH:  
 EMI SPRINGS: 2 $\mu$ m MINIMUM TIN  
 FRONT FLANGE: 3 $\mu$ m MINIMUM TIN OVER 1.27 $\mu$ m MINIMUM NICKEL OVER 5.08 $\mu$ m MINIMUM COPPER  
 HEAT SINK: NICKEL.

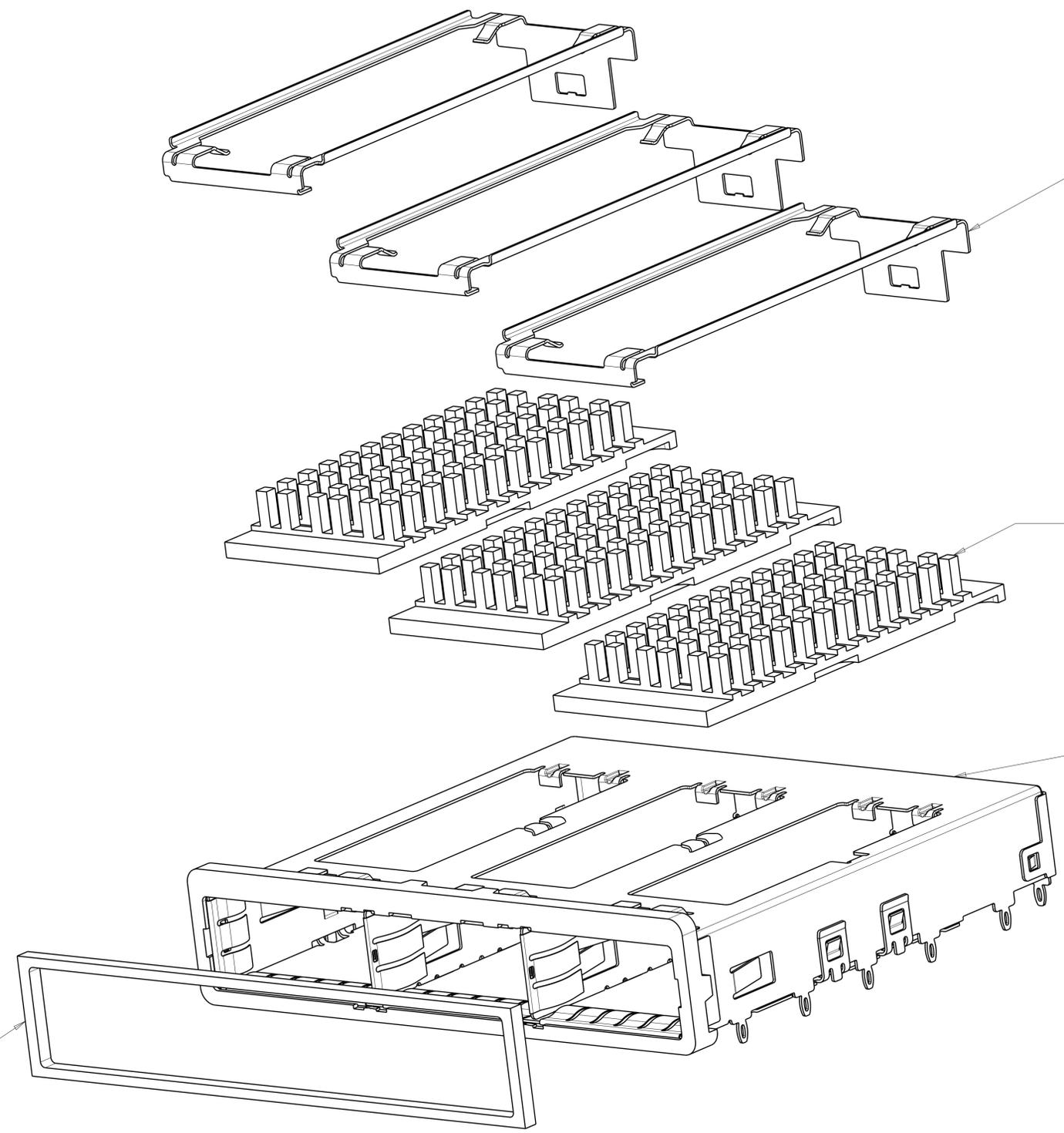


23.0	NETWORKING	2174769-3
16.0	SAN	2174769-2
13.7	PCI	2174769-1
B	HEAT SINK PROFILE	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:	DMN: KINSEN SUN 23FEB2012	CHK: DENNY ZHU 23FEB2012	APVD: ALEY CAI 23FEB2012
mm	0 PLC $\pm$ 1 PLC $\pm 0.1$ 2 PLC $\pm 0.1$ 3 PLC $\pm 0.013$ 4 PLC $\pm 0.0001$ ANGLES $\pm$	PRODUCT SPEC: 108-2286	APPLICATION SPEC: 114-13218	WEIGHT: -
MATERIAL:	FINISH: $\Delta 6$	NAME: 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, CONDUCTIVE GASKET, QSFP		
CUSTOMER DRAWING		SIZE: A1	CAGE CODE: 00779	DRAWING NO: C=2174769
		SCALE: 4:1	SHEET: 1	OF: 5
		REV: B		

LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	OWN	APVD
GP	00	SEE SHEET 1	-	-	-



HEAT SINK CLIP  
 QUANTITY: 3

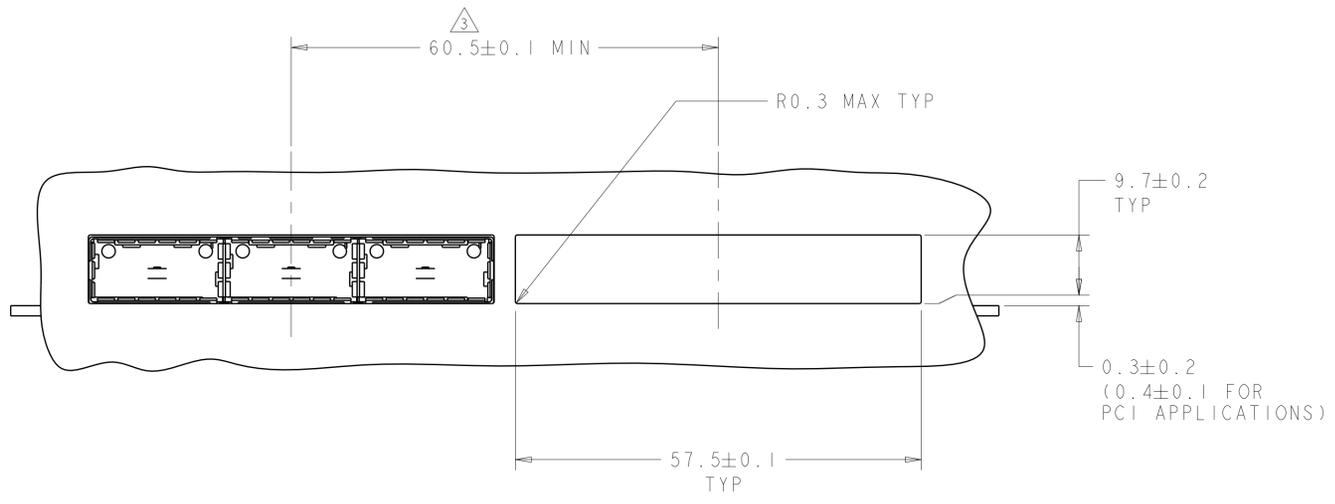
72 PIN HEAT SINK  
 QUANTITY: 3

1X3 BEHIND BEZEL QSFP  
 CAGE ASSEMBLY  
 QUANTITY: 1

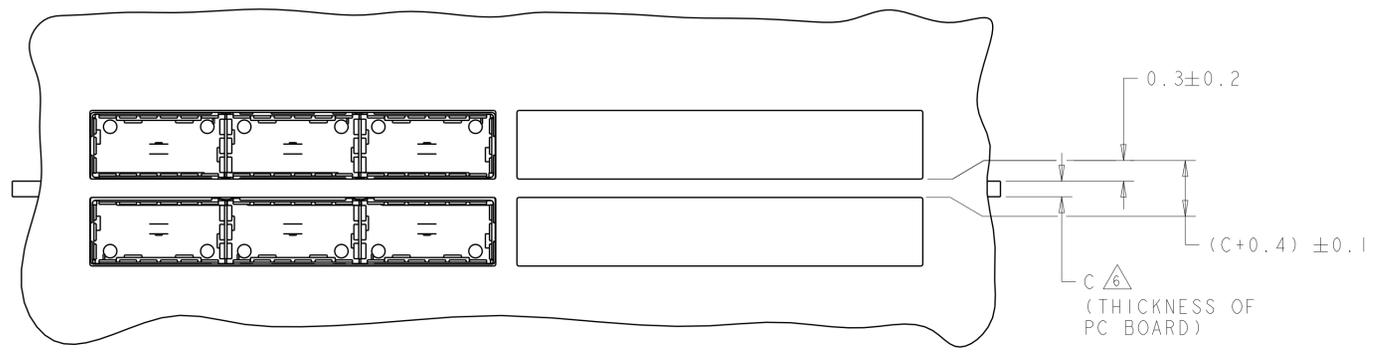
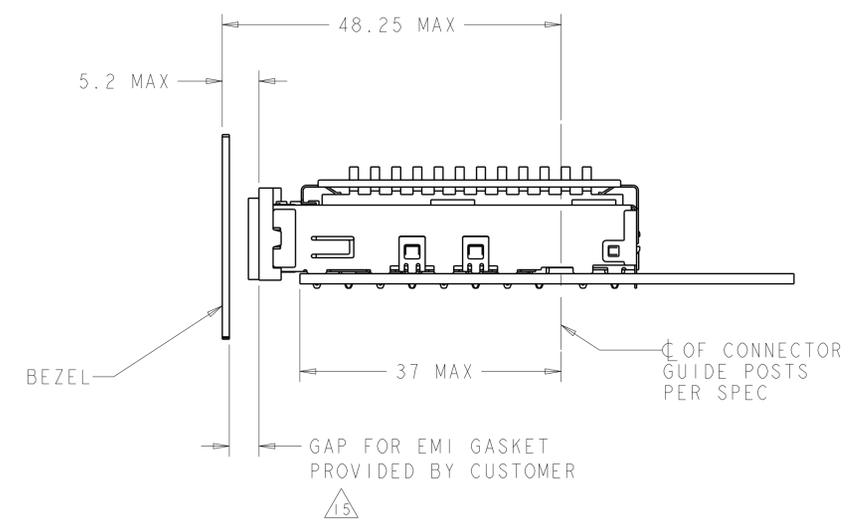
IX3 CONDUCTIVE GASKET  
 QUANTITY: 1

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: KINSEN SUN 23FEB2012	
DIMENSIONS: mm		CHK: DENNY ZHU 23FEB2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: AILEY CAI 23FEB2012	NAME: 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, CONDUCTIVE GASKET, QSFP
0 PLC ±.1	1 PLC ±0.1	PRODUCT SPEC: 108-2286	SIZE: A1
2 PLC ±0.1	3 PLC ±0.013	APPLICATION SPEC: 114-13218	CAGE CODE: 00779
4 PLC ±0.0001	ANGLES ±.1	WEIGHT: -	DRAWING NO: 2174769
MATERIAL: -	FINISH: -	CUSTOMER DRAWING	RESTRICTED TO: -
SCALE: 4:1			SHEET: 2 OF 5
REV: B			REV: B

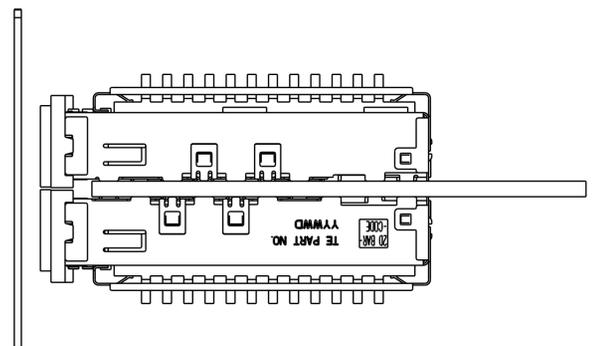
LOC	DIST	REVISIONS			
P	LTN	DESCRIPTION	DATE	OWN	APVD
-	-	SEE SHEET 1	-	-	-



ONE SIDED CONFIGURATION  
 SCALE 2:1



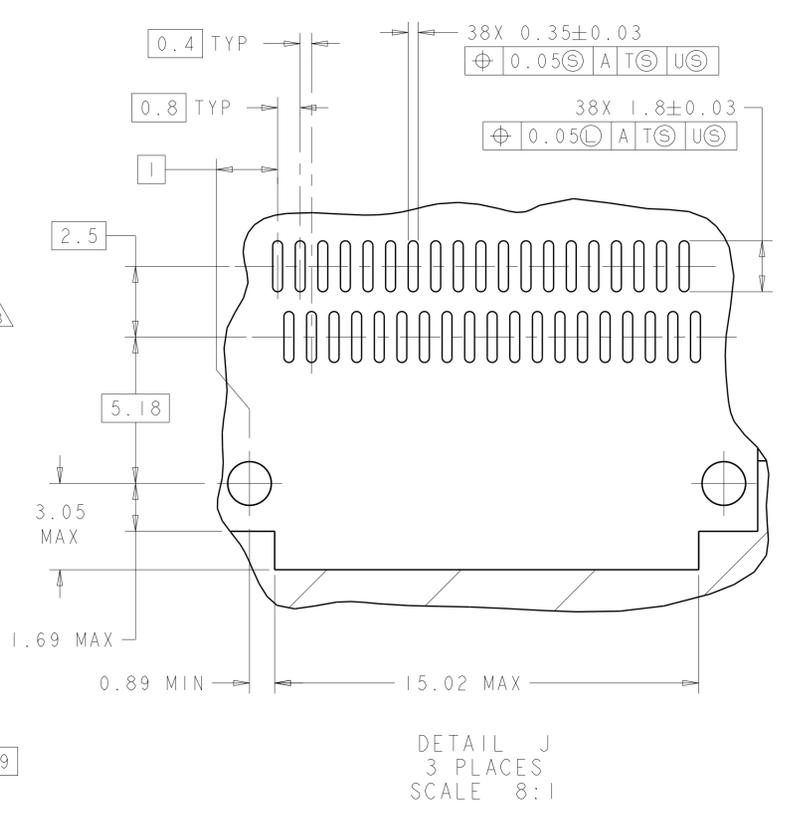
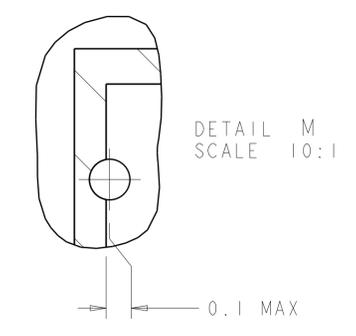
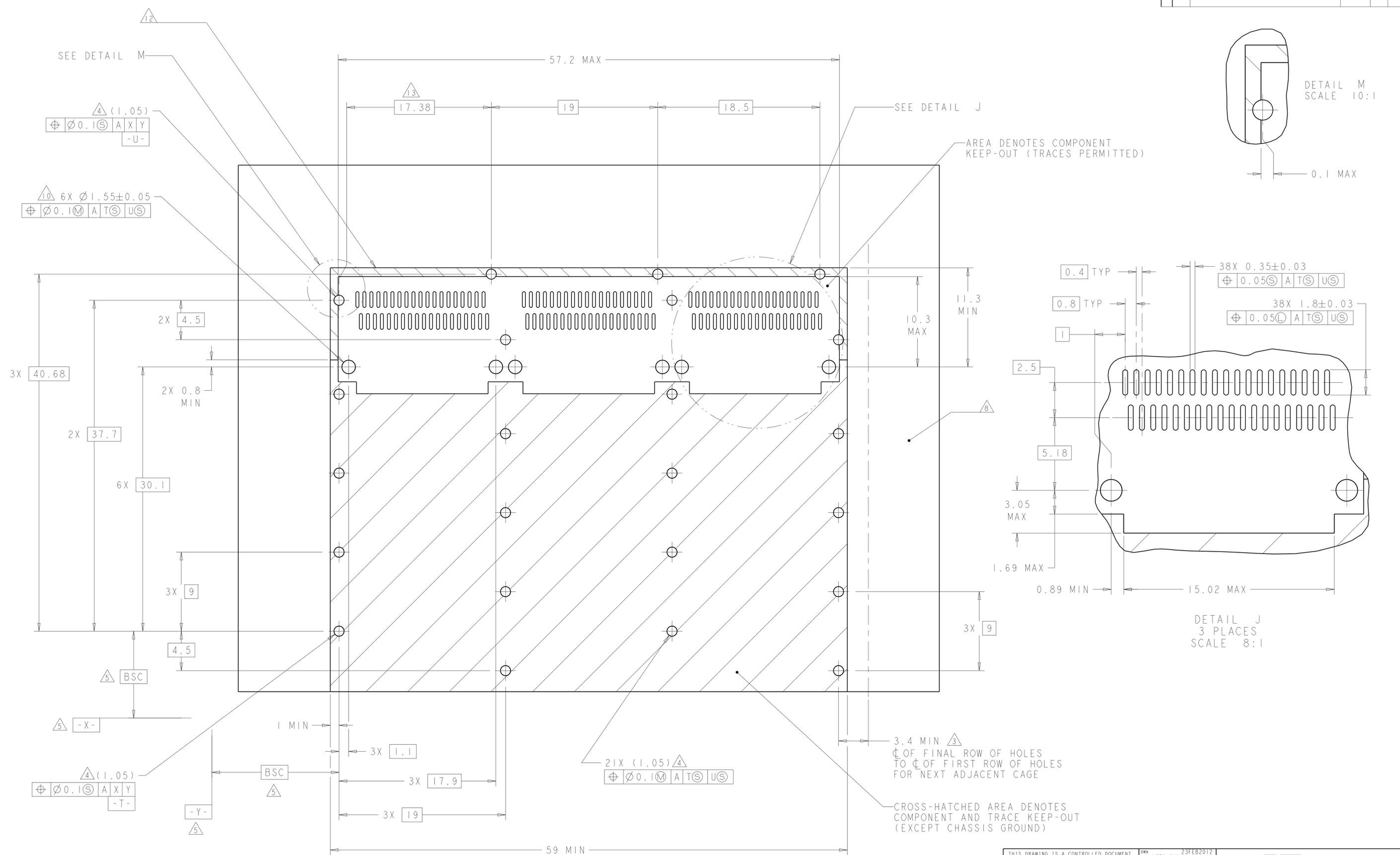
BELLY TO BELLY CONFIGURATION SIMILAR  
 TO ONE SIDED EXCEPT WHERE NOTED  
 SCALE 2:1



THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: RINSEN SUN 23FEB2012	
DIMENSIONS: mm		CHK: DENNY ZHU 23FEB2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: AILEY CAI 23FEB2012	NAME: 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, CONDUCTIVE GASKET, QSFP
0 PLC ±	1 PLC ±0.1	PRODUCT SPEC	SIZE: CAGE CODE DRAWING NO
2 PLC ±0.1	3 PLC ±0.013	108-2286	RESTRICTED TO
4 PLC ±0.0001	ANGLES ±	APPLICATION SPEC	A100779C=2174769
MATERIAL	FINISH	114-13218	SCALE 4:1 SHEET 3 OF 5 REV B
CUSTOMER DRAWING		WEIGHT	

LOC	DIST	REV	DATE	BY	APPV
GP	00				

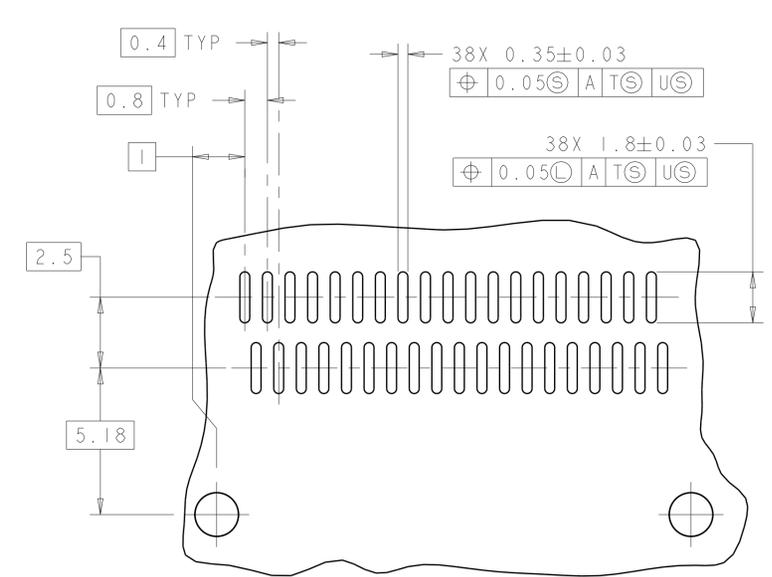
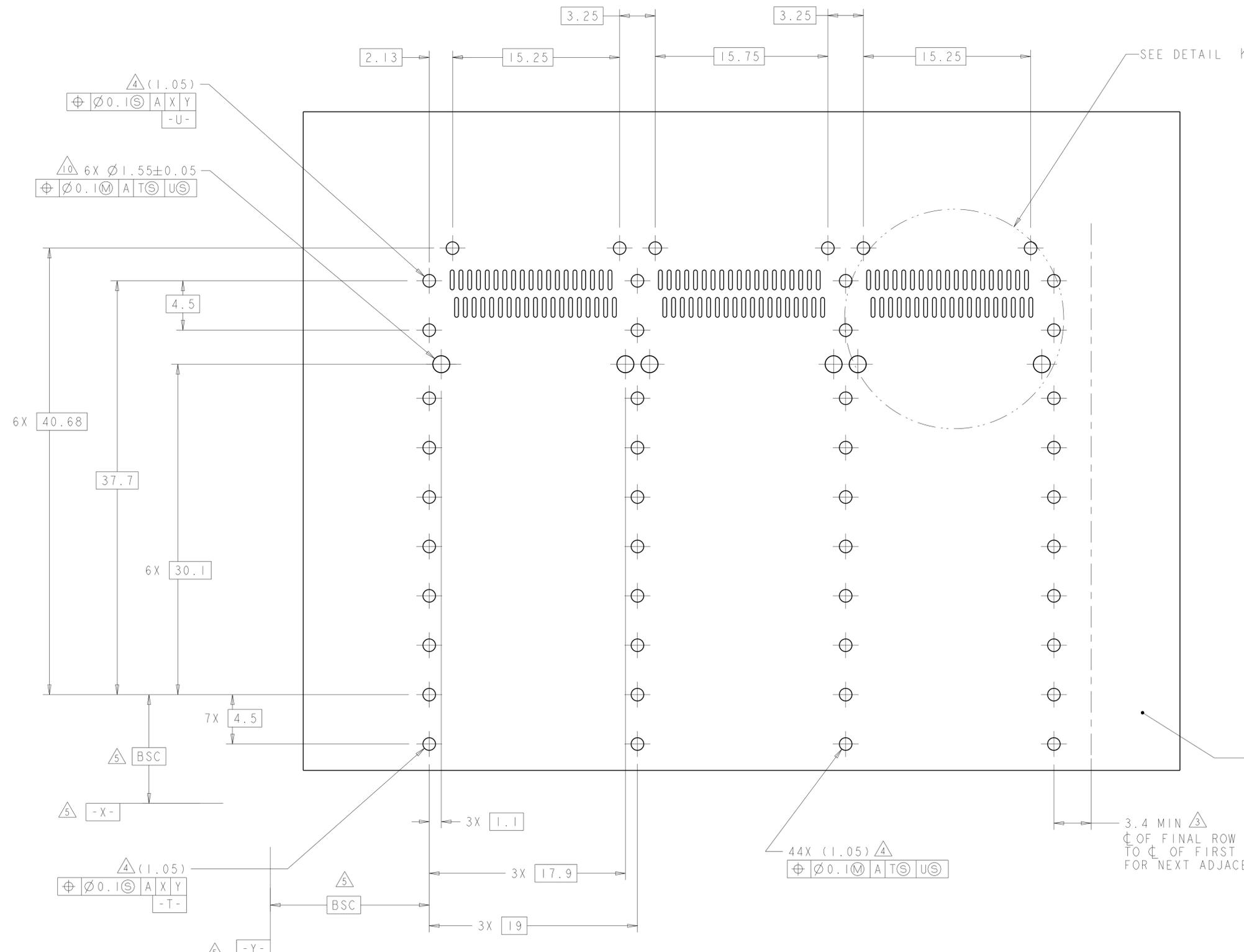
REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	SEE SHEET 1		



RECOMMENDED PC BOARD LAYOUT  
 SINGLE SIDE MOUNT CONFIGURATION  
 SCALE 5:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: KINSEN SUH 23FEB2012	TE Connectivity
DIMENSIONS: mm		CHK: DENNY ZHU 23FEB2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: ALEY CAI 23FEB2012	NAME: 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, CONDUCTIVE GASKET, QSFP
0 PLC ±0.1	1 PLC ±0.1	PRODUCT SPEC	108-2286
2 PLC ±0.1	3 PLC ±0.013	APPLICATION SPEC	114-13218
4 PLC ±0.0001	ANGLES ±0.0001	WEIGHT	A100779C=2174769
MATERIAL	FINISH	CUSTOMER DRAWING	SCALE 4:1 SHEET 4 OF 5 REV B

LOC	DIST	REV	DATE	BY	APPD
GP	00				
REVISIONS			DESCRIPTION	DATE	BY
-			SEE SHEET 1	-	-



DETAIL K  
 3 PLACES  
 SCALE 8:1

RECOMMENDED PC BOARD LAYOUT  
 BELLY TO BELLY CONFIGURATION  
 SEE SHEET 4 FOR COMPONENT  
 AND TRACE KEEP-OUTS  
 SCALE 5:1

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: KINSEN SUN 23FEB2012	TE Connectivity
DIMENSIONS: mm		CHK: DENNY ZHU 23FEB2012	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: AILEY CAI 23FEB2012	NAME: 1X3 CAGE ASSEMBLY, BEHIND BEZEL, W/ HEAT SINKS, CONDUCTIVE GASKET, QSFP
0 PLC ±0.1	1 PLC ±0.1	PRODUCT SPEC: 108-2286	SIZE: CAGE CODE DRAWING NO: A100779
2 PLC ±0.1	3 PLC ±0.013	APPLICATION SPEC: 114-13218	RESTRICTED TO: -
4 PLC ±0.0001	ANGLES ±0.0001	WEIGHT: -	SCALE: 4:1 SHEET 5 OF 5 REV B
MATERIAL: -	FINISH: -	CUSTOMER DRAWING	

## Данный компонент на территории Российской Федерации

### Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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